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MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO,
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ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.*

(54) Title: **HAIR STYLING COMPOSITIONS PROVIDING IMPROVED HAIR VOLUME AND HAIR HOLD PERFORMANCE**

(57) Abstract: Disclosed are hair styling compositions which provide improved hair volume and hair hold performance, and which provide for a DRY HAIR INDEX of at least 242 after application and drying of the compositions on dry hair. These air styling compositions comprise from about 12 % to about 90 % by weight of a polyalkylene glycol styling agent that is substantially free of polyalkylene glyceryl ethers, and that has a number average molecular weight of from about 190 to about 1500 and from about 5 to about 35 repeating alkylene oxide radicals wherein each of the repeating alkylene oxide radicals has from 2 to 6 carbon atoms; and from about 1 % to about 88 % by weight of a liquid carrier which can be water, an organic solvent, or combinations thereof. Also disclosed are hair styling compositions in the form of pomades which provide improved hair volume and hair hold performance, and which comprise from about 65 % to about 99 % by weight of the select polyalkylene glycol styling agent, and from about 1 % to about 30 % by weight of a liquid carrier.

INTERNATIONAL SEARCH REPORT

Int lional Application No

PCT/US 00/03910

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 A61K7/06

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 A61K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, CHEM ABS Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>EP 0 841 060 A (WELLA AG) 13 May 1998 (1998-05-13)</p> <p>page 3, paragraph 1; claims 1,4,7 page 3, paragraph 7 page 3, paragraph 5</p> <p style="text-align: center;">--- -/--</p>	<p>1,5, 7-10, 12-16, 19,21, 22,25, 26,28, 30-32, 35-39</p>

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
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- *O* document referring to an oral disclosure, use, exhibition or other means
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T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

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- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

* & * document member of the same patent family

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INTERNATIONAL SEARCH REPORT

Int lional Application No

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P,X	<p>DATABASE CHEMABS 'Online! CHEMICAL ABSTRACTS SERVICE, COLUMBUS, OHIO, US; TOUFUKUJI, RUKA: "Foam-forming aerosol-type hair-styling preparations" retrieved from STN Database accession no. 133:124919 CA XP002145878 abstract & JP 2000 204025 A (KOSEI CO., LTD., JAPAN) 25 July 2000 (2000-07-25)</p>	1,5,16, 18,19, 26,28, 37,39
A	<p>US 5 002 075 A (MURPHY BETTY J ET AL) 26 March 1991 (1991-03-26)</p> <p>claims 1-3</p>	1,4,5, 7-9,16, 18,19, 21,22, 26,28, 30-32, 37,39
A	<p>DATABASE CHEMABS 'Online! CHEMICAL ABSTRACTS SERVICE, COLUMBUS, OHIO, US; OOSAKI, ATSUSHI ET AL: "Hair cosmetic emulsions" retrieved from STN Database accession no. 129:8397 CA XP002145879 abstract & JP 10 139632 A (SUNSTAR K. K., JAPAN) 26 May 1998 (1998-05-26)</p>	1,5,16, 19,26, 28,37,39
A	<p>DATABASE CHEMABS 'Online! CHEMICAL ABSTRACTS SERVICE, COLUMBUS, OHIO, US; HATANAKA, KENJI ET AL: "Hair wave-setting preparations containing diglycerin-polyoxypropylene adduct" retrieved from STN Database accession no. 125:176971 CA XP002145880 abstract & JP 08 165225 A (MIRUBON KK, JAPAN; SAKAMOTO YAKUHHIN KOGYO KK) 25 June 1996 (1996-06-25)</p> <p style="text-align: center;">-/--</p>	1,5,16, 19,26, 28,37,39

INTERNATIONAL SEARCH REPORT

Int. lional Application No

PCT/US 00/03910

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>DATABASE CHEMABS 'Online! CHEMICAL ABSTRACTS SERVICE, COLUMBUS, OHIO, US; TAJIMA, MASARU ET AL: "Aqueous hair preparations containing polyoxypropylene diglyceryl ether an polyoxypropylene sugar ethers" retrieved from STN Database accession no. 117:97098 CA XP002145881 abstract & JP 04 077414 A (LION K. K., JAPAN) 11 March 1992 (1992-03-11) -----</p>	<p>1,5,16, 19,26, 28,37,39</p>

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Continuation of Box I.2

Claims Nos.: 1-39

Present claims 1-39 relate to a composition defined (inter alia) by reference to the following parameter: -dry hair index of at least 242. The use of these parameters in the present context is considered to lead to a lack of clarity within the meaning of Article 6 PCT. It is impossible to compare the parameters the applicant has chosen to employ with what is set out in the prior art. The lack of clarity is such as to render a meaningful complete search impossible. Consequently, the search has been performed without taking the above parameter into account with due regard to the general idea underlying the application.

The applicant's attention is drawn to the fact that claims, or parts of claims, relating to inventions in respect of which no international search report has been established need not be the subject of an international preliminary examination (Rule 66.1(e) PCT). The applicant is advised that the EPO policy when acting as an International Preliminary Examining Authority is normally not to carry out a preliminary examination on matter which has not been searched. This is the case irrespective of whether or not the claims are amended following receipt of the search report or during any Chapter II procedure.

INTERNATIONAL SEARCH REPORT

Information on patent family members

Int l Application No

PCT/US 00/03910

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
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